

**HIGH EXPLOSIVE RECOGNITION MODEL TRAINING AID, DEVICE X5H10****TRAINING CATEGORY:**

RECOGNITION TRAINING (Misc.)

**ORIGINATING AGENCY:**

CHNAVPERS; MARCORPS

**SECURITY CLASSIFICATION:**

Device X5H10 is unclassified.

**INTENDED USE:**

For use in the classroom to illustrate the visible properties of explosives to aid students of explosive ordnance disposal in visible recognition of explosives.

**FUNCTIONAL DESCRIPTION:**

Device X5H10 consists of mounting panels upon which are displayed encapsulated samples of approximately fifty-four (54) explosive simulators. The devices are subdivided into two (2) categories. The first is labeled: "High Explosive Components of Nuclear Weapons", and the second is labeled "Simulated Explosives".

Provision is made for 3" x 5" cards which will describe the explosive simulators. One (1) each of the following simulators are provided:

- (a) Black Powder-Pressed
- (b) Black Powder-Granular
- (c) Smokeless Powder Propellant-Single Base-Flakes, Strips, Sheets and Pellets
- (d) Smokeless Powder-Propellant-Double Base
- (e) Smokeless Powder Propellant-Multi or Triple Base
- (f) Mercury Fulminate
- (g) Lead Azide
- (h) Lead Styphnate
- (i) Dinol or DDNP
- (j) TNT
- (k) Teteryl
- (l) PETN
- (m) RDX
- (n) HMX)
- (o) HND
- (p) Picric Acid
- (q) Ammonia Nitrate
- (r) Trinitroanisole

## DIRECTORY OF NAVAL TRAINING DEVICES

(s) Amatol  
(t) Baratol  
(u) Picratol  
(v) Tetrytol  
(w) Pentolite  
(x) Hexanite, Novit, Type 97  
(y) Boracitol  
(z) Octol  
(aa) Composition A  
(bb) Composition B  
(cc) Composition C-3  
(dd) Composition C-4  
(ee) Type 94  
(ff) Ammonal or Minol  
(gg) Torpex  
(hh) DBX  
(ii) HBX  
(jj) Tritonal  
(kk) A-IX-2  
(ll) Explosive D  
(mm) Type 98  
(nn) Type 88  
(oo) MOX-2B  
(pp) Tridite  
(qq) Gun Cotton  
(rr) Nitro Starch  
(ss) Dynamite, Straight (Commercial)  
(tt) Dynamite, Ammonia (Commercial)  
(uu) Dynamite, Gelatin (Commercial)  
(vv) Blasting Gel  
(ww) Dynamite, Military  
(xx) Tetryl - As manufactured/used  
(yy) Tetryl - Exposed to heat and/or fire  
(zz) PETN - As manufactured/used  
(aaa) PETN - Exposed to heat and/or fire  
(bbb) Baratol - As manufactured/used  
(ccc) Baratol - Exposed to heat and/or fire  
(ddd) Composition B - As manufactured/used  
(eee) Composition B - Exposed to heat and/or fire  
(fff) Cyclotol - As manufactured/used  
(ggg) Cyclotol - Exposed to heat and/or fire  
(hhh) HMX/PBX - As manufactured/used  
(iii) HMX/PBX - Exposed to heat and/or fire  
(jjj) Boracitol - As manufactured/used  
(kkk) Boracitol - Exposed to heat and/or fire

## PHYSICAL INFORMATION:

Included are: Nine (9) painted masonite panels, each with dimensions of 5' x 1' and capable of containing eight (8) removable, filled cylindrical containers; 3" x 5" card runners; and hardware for affixing to a bulkhead; and seventy-two (72) transparent cylindrical containers sixty-three (63) of which are half-filled with one (1) each of a simulated explosive (see functional description), and nine (9) empty and unsealed with a method of sealing provided.

## REFERENCE PUBLICATIONS (NOT SUPPLIED):

1. TM 9-1910
2. TM 9-1385-1

## PERSONNEL:

Instructors: One (1)

Trainees: Up to twenty (20)

## CONTRACT IDENTIFICATION:

Manufactured by Special Devices, Inc.,  
Newhall, CA under NAVTRASYSCEN Contract  
No. N61339-67-C-0166.

## LOCAL STOCK NUMBER:

6910-LL-C00-0684